

What is claimed is:

1. A circuit board inspection system combining an X-RAY inspection and a visual inspection comprising:
  - a transfer unit that lands an inspected object safely thereon and transfers the inspected object to a predetermined position;
  - 5 a light generating unit that is installed below the transfer unit and emits a light having a predetermined wavelength to the inspected object;
  - a light amplifying unit that is installed on the opposite side of the light generating unit to convert and amplify a predetermined light that transmits the inspected object into a visible light;
  - 10 an optical unit that optically illuminates the inspected object to create a visual image; and
  - a camera that receives an X-ray image amplified through the light amplifying unit or a visual image by the optical unit to obtain information.
- 15 2. The circuit board inspection system of claim 1,  
wherein the light amplifying unit and the light generating unit are placed vertically below the camera,  
wherein the optical unit is placed laterally side by side with the light amplifying unit,  
20 wherein, on the light axis between the light generating unit and the camera, a half mirror is arranged with a predetermined angle,  
wherein, on the emitting light axis of the optical unit, a reflection mirror is arranged in a position being on the same line in a horizontal direction where the half mirror is placed.  
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3. The circuit board inspection system of claim 1, wherein the light generating unit is an X-ray source that emits an X-ray beam.
  
- 5       4. The circuit board inspection system of claim 1, wherein the camera is a CCD camera.

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